

CONSTRUCTION SPECIFICATION

MI-155. DRAINFILL

1. **SCOPE**

The work shall consist of furnishing, placing and compacting drainfill required in the construction of structure drains and filters.

2. **MATERIALS**

Drainfill materials shall conform to the requirements shown on the drawings.

3. **BASE PREPARATION**

Foundation surfaces and trenches shall be clean and free of organic matter, loose soil, foreign substances and standing water when the drainfill is placed. Earth surfaces upon or against which drainfill will be placed shall not be scarified.

4. **PLACEMENT**

Drainfill shall not be placed until the subgrade has been made available for inspection and approval by NRCS inspector. Drainfill shall not be placed over or around pipe or drain tile until the installation of the pipe or tile has been made available for inspection and approval.

Drainfill shall be placed uniformly in layers not more than 12 inches (300 mm) deep before compaction. The material shall be placed in a manner to avoid segregation of particle sizes and to insure the continuity and integrity of all zones. No foreign materials shall be allowed to become intermixed with or otherwise contaminate the drainfill.

The upper surface of drainfill constructed concurrently with adjacent zones of earth fill shall be maintained at an elevation at least one foot above the upper surface of the adjacent fill.

Drainfill over or around pipe or drain tile shall be placed in a manner to avoid displacement of the pipe or tile in line or grade.

5. **COMPACTION**

When the drain is a part of an earth embankment, the drainfill shall be compacted by the controlled movement of the hauling equipment so that the entire surface is traversed by not less than one thread track of the loaded equipment.

For trench drains in original ground no compaction will be required beyond that resulting from the placing operations.

6. **TESTING**

The NRCS inspector will perform such tests as are required to verify that the drainfill materials and the drainfill in place meet the requirements of the specifications.